

## PASSENGER VEHICLE EQUIPMENT REQUIREMENTS

The following equipment requirements are in abbreviated form.  
For detailed information, refer to the *Michigan Vehicle Code*.

<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Headlights	Two or more, white, <u>equipped</u> with one on each side.	685
	Minimum 24 inches, maximum 54 inches from ground.	699
	Adjustable for upper and lower beam. Upper beam to reveal persons 350 feet, lower beam to reveal persons 100 feet.	
	Beam indicator showing when upper beams are on; visible to driver. No more than four lamps lighted at the same time.	
Tail Lights	Shall be equipped with at least one on rear, red; visible from 500 feet; if equipped with two, then shall at all times be maintained in good working condition.	686
		697
Stop Lights	One on rear (two after January 1, 1965), red or amber; visible day or night for 100 feet. Actuated upon application of service brake.	689
		697
		697b
Registration Light	Illuminates rear registration plate, white; sufficient to illuminate plate to be clearly visible from 50 feet.	686
		689
Turn Signals	Required after January 1, 1955. Red or amber on rear; white or amber on front. Visible 100 feet, day or night.	689
		697
		697a
Auxiliary Lights	May be <u>equipped</u> with not more than two fog lamps, mounted not less than 12", nor higher than 30". No more than a total of four lamps, including headlamps, lit at one time. White or amber beam.	696b
		685d
		699a
Brakes	Adequate to stop and hold vehicle. Two means of applying brakes to at least two wheels. Capable of stopping vehicle in 30 feet from 20 mph.	705
Horn	Working condition, audible for 200 feet. No whistle or harsh sound.	706
Exhaust	Muffler in good working order and constant operation. Tail pipe and resonator <u>if originally equipped</u> , maximum 83 DBA.	707

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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Mirrors	Outside rear view mirror on driver's side, properly adjusted. Outside rear view mirror on each side if view through rear window obscured.	708
Windshield	Sufficient size to protect driver and occupants. No sign, poster, non-transparent material, window application, reflective or non-reflective film. Safety glass required.	708a 711
Glass	No sign, posters, non-transparent material, window application, reflective or non-reflective film on driver or front passenger glass. Rear or side windows to rear of driver cannot be composed of, covered by, or treated with a material that creates a total solar reflectance of 35% or more, including gold or silver reflective film. Wherever glass is used, it must be safety glass.	709 711
Windshield Washers	Required after January 1, 1956. Operational at all times.	709
Windshield Wipers	Driver controlled. Operational at all times.	709
Tires	2/32 of an inch tread. No part of belting material, tire cords or ply exposed. No evidence of ply or tread separation. Not restricted from highway use.	710
Safety Belts	Required for driver and one front seat passenger after January 1, 1965. Conforms to rules and regulations.	710a 710b
Bumpers	Required on passenger vehicle, including 4-wheel drive and pickups. No more than 22 inches from ground.	710c
Suspension	Not modified to defeat safe operation of vehicle.	710c

## COMMERCIAL VEHICLE EQUIPMENT REQUIREMENTS

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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Headlights	Two or more, white, one on each side. Minimum 24"; maximum 54" from ground. Adjustable for upper and lower beam. Upper beam to reveal persons 350 feet; lower beam to reveal persons 100 feet. Beam indicator visible to driver showing when upper beams are on.	685 699
Tail Lights	At least one on rear, red; visible from 500 feet; if equipped with two, then shall at all times be maintained in good working condition.	686 697
Stop Lights	Two stop lights on rear, red or amber; visible day or night 100 feet. Illuminated upon application of service brake.	686 688 697 697b
Registration Light	Illumination of rear registration plate, white. Sufficient to illuminate plate to be clearly readable from 50 feet.	686 689
Turn Signals	Required after January 1, 1955. Red or amber on rear. White or amber on front. Visible 100 feet, day or night.	689 697 697a
Reflectors	On rear two red reflectors, one on each side. Truck or bus 80 inches or more in width requires two reflectors on each side, one at or near front, amber; and one at or near rear, red. Height 20" minimum; 60" maximum.	688 689 690
Clearance Lights	Truck tractor: on the front, two amber, one on each side. Truck or bus 80 inches or more in width: two on front, amber; two on rear, red. Mounted as high and wide as possible. Two on each side; one amber at or near front and one red at or near rear; visible at 500 feet.	688 689

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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Brakes	Adequate to stop and hold vehicle. Two means of applying brakes to at least two wheels. Truck or truck tractor with three or more axles need not have brakes on front wheels. Truck or truck tractor with two steerable axles shall have brakes on one steerable axle. Parking brake adequate to hold vehicle. If brakes on all wheels, must stop in 30 feet from 20 mph. If no braking on all wheels, must stop in 40 feet from 20 mph.	705
Horn	Audible for 200 feet. No whistle or harsh sound.	706
Exhaust	Muffler in good working order and constant operation. Tail pipe and resonator if originally equipped. Maximum DBA 83 if 8500 or more GVW; 80 if less than 8500 GVW.	707 707c
Mirrors	Vehicle with 1/2-ton capacity or more requires two outside rear view mirrors, one on each side.	708
Windshield	Sufficient size to protect driver and occupants. No sign, poster, non-transparent material, window application, reflective or non-reflective film. Safety glass required.	708a 711
Glass	No sign, poster, non-transparent material, window application, reflective or non-reflective film on driver's or front passenger glass. Rear or side windows to rear of driver cannot be composed of, covered by, or treated with a material that creates a total solar reflectance of 35% or more, including gold or silver reflective film. Wherever glass is used, it must be safety glass.	709 711
Windshield Washers	Required after January 1, 1956. Operational at all times.	709
Windshield Wipers	Driver controlled. Operational at all times.	709

## COMMERCIAL VEHICLE EQUIPMENT REQUIREMENTS

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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Tires	2/32 of an inch minimum tread. 4/32 of an inch minimum tread on front if GVW is 10,000 or more. No part of belting material, tire cords or plies exposed. No evidence of ply or tread separation. Not restricted from highway use. Not recut or regrooved below original tread depth except for tires identified as permissible to do so.	710
Safety Belts	If equipped, must meet safety rules and regulations, and must be worn by driver. Trucks with GVWR of 10,000 or less manufactured after 1/1/76 and trucks with a GVWR over 10,000 pounds manufactured on or after 9/1/90 must have restraint devices.	710b 710e(f)
Bumpers	No requirements.	
Suspension	If carrying passengers for hire, no modifications to defeat safe operation of vehicle.	710c
Mud Flaps	Constructed, equipped or operated to prevent substances from being thrown from rear wheels exceeding 22 1/2 degrees measured from road surface. No breakable reflective material attached to flap type device.	714a
Warning Equipment	Motor trucks with gross weight more than 10,000 pounds. Outside limits of municipalities. 1/2 hour after sunset to 1/2 hour before sunrise. Carry: three flares or three red electric lanterns, three fusees unless electric lanterns are carried. Two red cloth flags at least 12 inches square, with stands. Transporters of bulk inflammable liquids or compressed inflammable gases will not carry flame-producing signals. Three portable reflectors or three bidirectional triangles may be carried in lieu of flares, lanterns, fusees, and flags.	712

## TRAILER, SEMI-TRAILER, POLE TRAILER EQUIPMENT REQUIREMENTS

The following equipment requirements are in abbreviated form.  
For detailed information, refer to the *Michigan Vehicle Code*.

<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE</u>
		<u>SECTION</u>
Tail Lights	Shall be equipped with at least one on the rear; if equipped with two, then shall at all times be maintained in good working order.	686
		697
Stop Lights	Trailer or semi-trailer with GVW over 3,000 pounds requires one on rear; any type trailer weighing over 2,500 pounds requires two, red or amber. Visible 100 feet, day or night. Trailer with 3,000 pounds GVW or less requires one if the trailer or load obscures stop light on towing vehicle. If equipped with two stop lamps, then shall at all times be maintained in good working order.	688
		697
		697b
Registration Plates	Illumination of rear registration plate, white; sufficient to illuminate plate to be clearly readable from 50 feet.	686
		689
Turn Signals	Required after January 1, 1955, on all trailers weighing over 2,500 pounds. Red or amber on rear. Visible 100 feet, day or night. If equipped with turn signals, then shall at all times be maintained in good working order.	697
		697a
Clearance Lights	Trailer or semi-trailer with GVW over 3,000 pounds: two on front, one on each side, amber; visible 500 feet. Two on each side, one amber at or near front and one red at or near rear. Two red on rear, one on each side. Pole trailer: one on each side to front, side or rear.	688
Reflectors	Height not less than 20" or more than 60". Trailer or semi-trailer in excess of 3,000 GVW: two on each side, one amber at or near front and one red at or near rear. On rear two red, one on each side. Pole trailer: two red, one on each side. Trailer or semi-trailer 3,000 GVW or less: two red on rear, one on each side.	688

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The following equipment requirements are in abbreviated form.  
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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE</u> <u>SECTION</u>
Brakes	Trailer or semi-trailer gross weight 5,500 pounds or more: adequate to control movement, stop and hold. Designed to be applied by driver of towing moor vehicle from cab. Trailer or semi-trailer with gross weight of less than 3,000 pounds need not be equipped with brakes. Means shall be provided for applying the rearmost trailer brakes in approximate synchronism with the brakes on the towing vehicle. Trailers and semi-trailers shall be equipped with parking brakes adequate to hold vehicle.	705
Tires	2/32 of an inch minimum tread. Vehicles weighing 10,000 pounds or more: 4/32 of an inch on front. No part of belting material, tire cords, or plies exposed. No evidence of ply or tread separation. Not restricted from highway use.	710
Mud Flaps	Constructed, equipped, or operated to prevent substances from being thrown from rear wheels exceeding 22 1/2 degrees measured from road surface. No breakable reflective material attached to flap type device. (APPLIES TO COMMERCIAL VEHICLES ONLY)	714a

## AUTOCYCLE/MOTORCYCLE/MOPED EQUIPMENT REQUIREMENTS

The following equipment requirements are in abbreviated form.  
For detailed information, refer to the *Michigan Vehicle Code*.

<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Headlights	At least one, not more than two, minimum height of 24"; maximum height of 54", white. Adjustable for upper and lower beam, upper beam to reveal persons 350 feet; lower beam to reveal persons 100 feet. Moped: may be equipped with single beam only.	685 699 702
Tail Lights	Red, on rear; visible from 500 feet.	686 689
Stop Light	One on rear, red or amber; visible day or night for 100 feet.	697b
Registration Light	Illuminates rear registration plate, white; sufficient to illuminate plate to be clearly readable from 50 feet.	686 689
Handlebars	No more than 15 inches from saddle to highest point of handle grip.	661a
Brakes	At least two brakes, one on front wheel, one on rear wheel; may be hand- or foot-operated. Capable of stopping in 30 feet from 20 mph if brakes on all wheels; 40 feet from 20 mph if brakes are not on all wheels.	705
Helmet	Motorcycle operator and rider must wear DOT approved crash helmet on head. Moped operator less than 19 years of age must wear helmet too.	658
Horn	Working condition; audible for 200 feet; no whistle or harsh sound; no siren allowed.	706
Exhaust	Muffler in good working order and in constant operation. Maximum noise limits 82 DBA where speed limit is 35 mph or less; 86 DBA if over 35 mph. (See section 707 (1).)	707 707c
Mirrors	One required; may be on helmet or visor worn by operator of motorcycle if helmet securely worn on operator's head.	708



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The following equipment requirements are in abbreviated form.  
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<u>ITEM</u>	<u>CONDITIONS</u>	<u>CODE SECTION</u>
Windshield	When operated on highway at speeds over 35 mph, must have windshield of sufficient size to protect driver and occupants, or operator may wear goggles, faceshield, or eye glasses if of a shatter-resistant material and of sufficient size. If equipped with windshield, no sign, poster, non-transparent material, window application, reflective or non-reflective film allowed on it.	708a 711
Glass	When applicable, no sign, poster, non-transparent material, window application, reflective or non-reflective film on driver's or front passenger glass. Rear or side window to rear of driver cannot be composed of, covered by, or treated with a material that creates a total solar reflectance of 35% or more, including gold or silver reflective film. Wherever glass is used, it shall be safety glass.	709 711
Windshield Washers	Required after January 1, 1956. Operational at all times.	709
Windshield Wipers	Driver controlled. Operational at all times.	709
Tires	Minimum 1/32 of an inch tread. No part of belting material, tire cords, or plies exposed. No evidence of ply or tread separation. Not prohibited for highway use.	710
<u>AUTOCYCLE</u>		
Equipment	Must have equipment required for motorcycle and also have safety belts, rollbar, windshield, wipers, and steering wheel.	25a
Helmet	All occupants must wear safety belt. Helmet not required when autocycle has a roof that meets or exceeds standards for crash helmets.	658